(9) The Tactical Data Link is a secure broadcast Tactical Digital Information Link (TADIL) used for real-time voice/data exchange for command and control, relative navigation, and Precise Position Location Identification (PPLI), providing Link–16 type capabilities. The system contains both SECRET and UNCLASSIFIED elements and contains technology representing the latest state-of-the-art in several areas. Information on performance and inherent vulnerabilities is classified SECRET. Software (object code) is classified SECRET.

g. The F–35 Autonomic Logistics Global Sustainment (ALGS) includes both SECRET and UNCLASSIFIED elements. It provides a fully integrated logistics management solution. ALGS integrates a number of functional areas, including supply chain management, repair, support equipment, engine support, and training. The ALGS infrastructure employs a state-of-the-art information system that provides real-time, decision-worthy information for sustainment decisions by flight line personnel. Prognostic health monitoring technology is integrated with the air system and is crucial to the predictive maintenance of vital components.

h. The F–35 Autonomic Logistics Information System (ALIS) includes both SECRET and UNCLASSIFIED elements. The ALIS provides an intelligent information infrastructure that binds all of the key concepts of ALGS into an effective support system. ALIS establishes the appropriate interfaces among the F–35 Air Vehicle, the warfighter, the training system, government information technology (IT) systems, JSF operations, and supporting commercial enterprise systems. Additionally, ALIS provides a comprehensive tool for data collection and analysis, decision support, and action tracking.

i. The F–35 Training System includes both SECRET and UNCLASSIFIED elements. The Training System includes several types of training devices, to provide for integrated training of both pilots and maintainers. The pilot training device includes a Full Mission Simulator (FMS). The maintainer training devices include an Aircraft Systems Maintenance Trainer (ASMT), Ejection System Maintenance Trainer (ESMT), and Weapons Loading Trainer (WLT). The F–35 Training System can be integrated, where both pilots and maintainers learn in the same Integrated Training Center (ITC). Alternatively, the pilots and maintainers can train in separate facilities (Pilot Training Center and Maintenance Training Center).

j. Weapons employment capability is SECRET and contains technology representing the latest state-of-the-art in several areas. Information on performance and inherent vulnerabilities is SECRET. Software (object code) is classified SECRET. Sensitive elements include co-operative targeting.

k. Other Subsystems, Features, and Capabilities:

(1) The Low Observable Air Frame is SECRET and contains technology representing the latest state-of-the-art in several areas. Information on performance and inherent vulnerabilities is classified SECRET. Software (object code) is SECRET. Sensitive elements include: the Radar Cross Section and its corresponding plots, construction materials and fabrication.

(2) The Integrated Core Processor (ICP) Central Computer is SECRET and contains technology representing the latest state-of-the-art in several areas. Information on performance and inherent vulnerabilities is SECRET. Software (object code) is classified SECRET. Sensitive elements include: F–35 Integrated Core Processor utilizing Commercial Off-the-Shelf (COTS) Hardware and Module Design to maximize growth and allow for efficient management of DMS and Technology Insertion, if additional processing is needed, a second ICP will be installed in the space reserved for that purpose, more than doubling the current throughput and memory capacity.

(3) The F–35 Helmet Mounted Display System (HMDS) is SECRET and contains technology representing the latest state-of-the-art in several areas. Information on performance and inherent vulnerabilities is SECRET. Software (object code) is SECRET. Sensitive elements include: HMDS consists of the Display Management Computer-Helmet, a helmet shell/display module, a quick disconnect integrated as part of the ejection seat, helmet trackers and tracker processing, day- and night-vision camera functions, and dedicated system/graphics processing. The HMDS provides a fully sunlight readable, bi-ocular display presentation of aircraft information projected onto the pilot's helmet visor. The use of a night vision camera integrated into the helmet eliminates the need for separate Night Vision Goggles (NVG). The camera video is integrated with EO and IR imaging inputs and displayed on the pilot's visor to provide a comprehensive night operational capability.

(4) The Pilot Life Support System is SECRET and contains technology representing the latest state-of-the-art in several areas. Information on performance and inherent vulnerabilities is SECRET. Software (object code) is SECRET. Sensitive elements include: a measure of Pilot Chemical, Biological, and Radiological Protection through use of an On-Board Oxygen Generating System (OBOGS); and an escape system that provide additional protection to the pilot. OBOGS takes the Power and Thermal Management System (PTMS) air and enriches it by removing gases (mainly nitrogen) by adsorption, thereby increasing the concentration of oxygen in the product gas and supplying breathable air to the pilot.

(5) The Off-Board Mission Support System is SECRET and contains technology representing the latest state-of-the-art in several areas. Information on performance and inherent vulnerabilities is SECRET. Software (object code) is SECRET. Sensitive elements include: mission planning, mission briefing, maintenance/intelligence/tactical debriefing, sensor/algorithm planning, EW system reprogramming, data debrief, etc.

1. Publications: Manuals are considered SECRET as they contain information on aircraft/system performance and inherent vulnerabilities.

2. The JSF Reprogramming Center is classified SECRET and contains technology representing the latest state-of-the-art in several areas. This hardware/software facility is located in the U.S. and provides F–35 customers a means to update JSF electronic warfare databases. Sensitive elements include: EW software databases and tools to modify these databases.

3. (U) If a technologically advanced adversary were to obtain knowledge of specific hardware, the information could be used to develop countermeasures which might reduce weapons system effectiveness or be used in the development of a system with similar or advanced capabilities.

4. (U) A determination has been made that Belgium can provide substantially the same degree of protection for sensitive technology being released as the U.S. Government. This proposed sustainment program is necessary to the furtherance of the U.S. foreign policy and national security objectives outlined in the policy justification.

5. (U) All defense articles and services listed on this transmittal are authorized for release and export to the Government of Belgium.

## VOTE EXPLANATION

Mr. ROUNDS. Madam President, on December 21, 2017, Senator ISAKSON was necessarily absent for the vote on the continuing resolution. He intended to vote yea, and it was my intention to vote no. As a courtesy to Senator ISAKSON, I voted yea, in order to pair our votes.

## TRIBUTE TO LIEUTENANT GENERAL FRANK G. KLOTZ

Mr. ALEXANDER. Madam President, along with Senator FEINSTEIN, I would like to pay tribute to Lt. Gen. Frank G. Klotz, USAF, Retired, upon his retirement as the Administrator of the National Nuclear Security Administration.

Today we pay tribute to Lt. Gen. Frank G. Klotz, USAF, Retired for a distinguished career of nearly 45 years. His career began with his graduation in 1973 from the Air Force Academy and concludes when he steps down Friday after 4 years as Under Secretary for Nuclear Security and Administrator of the National Nuclear Security Administration, NNSA.

Lieutenant General Klotz has excelled in many challenging positions. As commander of Air Force Global Strike Command, he established and led a new organization that merged responsibility for all U.S. nuclear-capable bombers and land-based missiles under a single chain of command. He also served as vice commander of the Air Force Space Command, director for Nuclear Weapons Policy and Arms Control on the National Security Council, and as a defense Attache to the U.S. Embassy in Moscow. A Rhodes Scholar, General Klotz earned a master of philosophy in international relations and a doctor of philosophy in politics at Oxford University.

As Administrator of NNSA over the past 4 years, Lieutenent General Klotz has been responsible for maintaining the U.S. nuclear deterrent, preventing nuclear proliferation worldwide, and advancing the naval nuclear propulsion mission. These missions require extraordinary dedication, and our Nation is safer today because of his steadfast leadership.

Under his guidance, NNSA made significant advances in modernizing the nuclear stockpile and reversed a decades-long trend in the decline of America's nuclear weapons infrastructure. His commitment to reducing global nuclear threats ensured continued progress in removing dangerous nuclear materials from countries around the globe, and his personal engagement expanded partnerships with other countries to reduce the risks of nuclear proliferation and nuclear terrorism.

Perhaps most importantly, Lieutenent General Klotz cared about his people. He worked tirelessly to improve the work environments of his people, increase the focus on safety and security, and foster a culture of pride,